ISO 17572-1:2015-01 (E)

Intelligent transport systems (ITS) - Location referencing for geographic databases - Part 1: General requirements and c onceptual model

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Termsanddefinitions 1
2.1 General terms 1

3 Abbreviated terms 7

4 Objectives and requirements for a location referencing method 8
4.1 Objectives for an optimal location referencing method 8
4.2 Requirements of the location referencing method 9

5 Conceptual data model for location referencing methods 10
5.1 Role of conceptual model 10
5.2 Components of conceptual model 10
5.3 Description of the conceptual model 10
5.4 Location categories 11
5.5 Conceptual model of a road network 12
5.6 Conceptual model of area locations 13

Annex A (informative) Inventory of location referencing methods 15

Annex B (informative) Examples of location referencing methods in use (mapping to conceptual data model for location referencing systems) 19

Annex C (informative) Description of UML expression elements 21

Annex D (informative)ComparisonofdefinitionswithTC211 23

Annex E (informative) TPEG2 UML modelling and physical format representations 25

Annex F (informative) TPEG2 location referencing container 27

Bibliography 28